



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090528-A

Mode: Highway

Status: Submitted

NC-109

From/Cross Street: SR 2067 (Lambeth Road)

Specific Improvement Type: 6 - Widen Existing Roadway and Construct Part on New Location

To: NC 62 (Cloninger Drive)

Project Category: Regional Impact

Length: 4.52

TIP#: U-5311A

Fully Funded in Draft STIP? No

Cost to NCDOT: \$37,800,000

Description:

Widen to Multi-Lanes, Part on New Location

Division(s): Division 9

County(s): DAVIDSON

MPOS(s)/RPO(s): High Point Urban Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 33.75

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 38.06	Percent: 15% Points: 0	Percent: 15% Points: 100
Safety (10%) 80.73		
[Travel Time] Benefit/Cost (25%) 1.40		
Accessibility / Connectivity (10%) 8.08		
Totals: Weight: 70% Weighted Score: 18.75		

Division Needs Total Score: 15.97

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 38.06	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 80.73		
[Travel Time] Benefit/Cost (20%) 1.40		
Totals: Weight: 50% Weighted Score: 15.97		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	36
Length (miles):	3.95
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	12120.19
Capacity:	21893.08
Volume/Capacity Ratio:	0.55
% Autos:	95%
% Trucks:	5%
Truck Volume:	547.24
Crash Density:	83.74
Crash Severity:	70.54
Critical Crash Rate:	87.94
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	63
Actual Congested Speed:	32.13
Travel Time Index:	1.1

Project Benefits

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	4.52
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	2367028.91
Travel Time Savings for 30 Years (Autos):	2260155.78
Travel Time Savings for 30 Years (Trucks):	106873.13
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 9

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 9	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
High Point Urban Area MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$17,000,000	TIP Unit
Right-of-Way Cost:	\$20,200,000	TIP Unit
Utilities Cost:	\$600,000	TIP Unit
Total Project Cost:	\$37,800,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$37,800,000	